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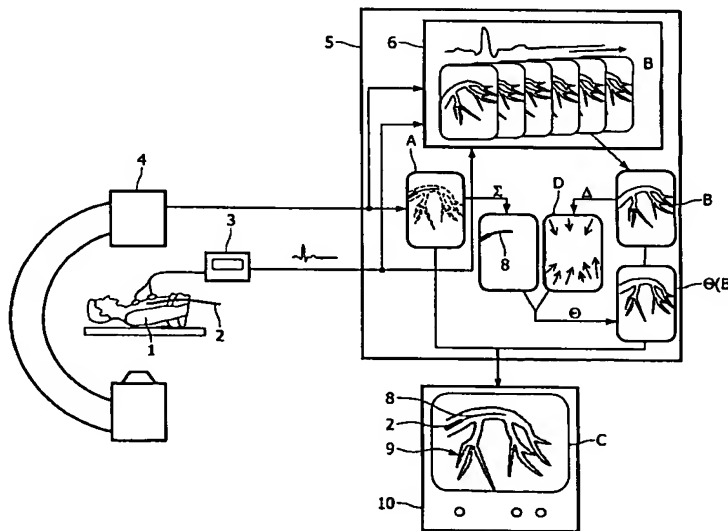
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(54) Title: **DEVICE AND METHOD FOR COMBINED DISPLAY OF ANGIOGRAMS AND CURRENT X-RAY IMAGES**



(57) Abstract: The invention relates to a device and to a method for superimposed display of current (X-ray) image (A) of an object (8), such as a catheter for example, and a map image (B) of the vascular system. In this connection, for map images (B) archived in a memory (6) the associated distance images (D) are calculated by means of a distance transformation (A). In the current image (A) the object (8) is segmented ( $\Sigma$ ). By means of the distance image (D), a transformation of the map image (B) is then calculated, so that, when the current image (A) and the transformed map image ( $\Theta(B)$ ) are superimposed on a monitor (10), the image of the object (8) lies in the path network of the transformed map image.



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